

Final 1998 Section 303(d) List - WRIA 6

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|---|---|--------------------------------------|--|
| Water Name | ADMIRALTY INLET (INNER) | | |
| Parameter | Dissolved Oxygen | Mediu | Water |
| Place on 1998 List? | <input type="checkbox"/> No | Listed in 1996 | <input type="checkbox"/> No Action Needed <input type="text"/> None |
| New Segment ID # | <input type="text"/> 390KRD | Old Segment ID # | <input type="text"/> WA-PS-0220 |
| Stream Route # | <input type="text"/> | Water Resource Inventory Area | <input type="text"/> 6 |
| Township | <input type="text"/> | Waterbody Grid # | <input type="text"/> 48122A6C1 |
| Range | <input type="text"/> | Grid Latitude | <input type="text"/> 48.025 |
| Section | <input type="text"/> | Grid Longitude | <input type="text"/> 122.615 |
| Basis for Consideration of Listing | 8 excursions beyond the criterion out of 38 samples (21%) at Ecology ambient monitoring station ADM001 between 9/91 and 9/96.; | | |
| Remarks | These excursions beyond the criterion are a natural condition due to the influence from upwelled deepwater based on the 6/97 judgement of Jan Newton (Dept. of Ecology) Mistakenly listed entered into 1996 list decision matrix based on station ADM002. This station is on the segment WA-PS-0130 and does not represent conditions on segment WA-PS-0220. | | |

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|---|---|--------------------------------------|--|
| Water Name | ADMIRALTY INLET (INNER) | | |
| Parameter | Temperature | Mediu | Water |
| Place on 1998 List? | <input type="checkbox"/> No | Listed in 1996 | <input type="checkbox"/> No Action Needed <input type="text"/> None |
| New Segment ID # | <input type="text"/> 390KRD | Old Segment ID # | <input type="text"/> WA-PS-0220 |
| Stream Route # | <input type="text"/> | Water Resource Inventory Area | <input type="text"/> 6 |
| Township | <input type="text"/> | Waterbody Grid # | <input type="text"/> 48122A6C1 |
| Range | <input type="text"/> | Grid Latitude | <input type="text"/> 48.025 |
| Section | <input type="text"/> | Grid Longitude | <input type="text"/> 122.615 |
| Basis for Consideration of Listing | 3 excursions beyond the criterion out of 38 samples (8%) at Ecology ambient monitoring station ADM001 between 9/91 and 9/96.; | | |
| Remarks | The information does not meet the Water Quality Program policy for listing this segment for this parameter. Mistakenly listed entered into 1996 list decision matrix based on station ADM002. This station is on the segment WA-PS-0130 and does not represent conditions on segment WA-PS-0220. | | |

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|---|---|--------------------------------------|--|
| Water Name | HOLMES HARBOR | | |
| Parameter | Dissolved Oxygen | Mediu | Water |
| Place on 1998 List? | <input type="checkbox"/> No | Listed in 1996 | <input type="checkbox"/> No Action Needed <input type="checkbox"/> None |
| New Segment ID # | 390KRD | Old Segment ID # | WA-06-0030 |
| Stream Route # | | Water Resource Inventory Area | 6 |
| Township | | Waterbody Grid # | 48122A5G3 |
| Range | | Grid Latitude | 48.065 |
| Section | | Grid Longitude | 122.535 |
| Basis for Consideration of Listing | 5 excursions beyond the criterion out of 8 samples (63%) at Ecology ambient monitoring station HLM001 between 9/91 and 9/96. | | |
| Remarks | These excursions beyond the criterion are a natural condition with no direct human caused influence due to stratification based on the 6/97 judgement of Jan Newton (Dept. of Ecology). | | |

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|---|--|--------------------------------------|--|
| Water Name | HOLMES HARBOR | | |
| Parameter | Temperature | Mediu | Water |
| Place on 1998 List? | <input type="checkbox"/> No | Listed in 1996 | <input type="checkbox"/> No Action Needed <input type="checkbox"/> None |
| New Segment ID # | 390KRD | Old Segment ID # | WA-06-0030 |
| Stream Route # | | Water Resource Inventory Area | 6 |
| Township | | Waterbody Grid # | 48122A5G3 |
| Range | | Grid Latitude | 48.065 |
| Section | | Grid Longitude | 122.535 |
| Basis for Consideration of Listing | 1 excursion beyond the criterion out of 0 samples (14%) at Ecology ambient monitoring station HLM001 between 9/91 and 9/96. | | |
| Remarks | A single excursion does not meet the Water quality Program policy for listing. Also, This excursion beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 6/97 judgement of Jan Newton (Dept. of Ecology). | | |

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|---|---|--------------------------------------|--|
| Water Name | PENN COVE | | |
| Parameter | Dissolved Oxygen | Mediu | Water |
| Place on 1998 List? | <input type="checkbox"/> Yes | Listed in 1996 | <input type="checkbox"/> No Action Needed <input type="checkbox"/> None |
| New Segment ID # | 390KRD | Old Segment ID # | WA-06-0020 |
| Stream Route # | | Water Resource Inventory Area | 6 |
| Township | | Waterbody Grid # | 48122C6D7 |
| Range | | Grid Latitude | 48.235 |
| Section | | Grid Longitude | 122.675 |
| Basis for Consideration of Listing | 8 excursions beyond the criterion out of 14 samples (57%) at Ecology ambient monitoring station PNN001 between 9/91 and 9/96. | | |
| Remarks | These excursions beyond the criterion were considered a natural condition with no direct human caused influence based on the 6/97 judgement of John Glynn (Dept. of Ecology). | | |

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|---|---|--------------------------------------|--|
| Water Name | PENN COVE | | |
| Parameter | pH | Mediu | Water |
| Place on 1998 List? | <input type="checkbox"/> No | Listed in 1996 | <input type="checkbox"/> No Action Needed <input type="checkbox"/> None |
| New Segment ID # | 390KRD | Old Segment ID # | WA-06-0020 |
| Stream Route # | | Water Resource Inventory Area | 6 |
| Township | | Waterbody Grid # | 48122C6D7 |
| Range | | Grid Latitude | 48.235 |
| Section | | Grid Longitude | 122.675 |
| Basis for Consideration of Listing | 2 excursions beyond the criterion out of 14 samples (14%) at Ecology ambient monitoring station PNN001 between 9/91 and 9/96. | | |
| Remarks | These excursions beyond the criterion have not been repeated and there is no evidence that a direct human caused influence is significant based on the 6/97 judgement of Jan Newton (Dept. of Ecology). | | |

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|---|--|--------------------------------------|---|
| Water Name | PENN COVE | | |
| Parameter | Fecal Coliform | Mediu | Water |
| Place on 1998 List? | <input type="checkbox"/> No | Listed in 1996 | <input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None |
| New Segment ID # | 390KRD | Old Segment ID # | WA-06-0020 |
| Stream Route # | | Water Resource Inventory Area | 6 |
| Township | | Waterbody Grid # | 48122C7C1 |
| Range | | Grid Latitude | 48.225 |
| Section | | Grid Longitude | 122.715 |
| Basis for Consideration of Listing | Department of Health Conditionally Approved Commercial Shellfish Area covers most of the western portion of the cove. The most recent data from the area shows that fecal coliform standards are being meet at all stations samples (from the Annual Growing Area Review ending December 1996). (Used station 14 to identify grid ID location) | | |
| Remarks | The segment now meets water quality standards. | | |

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|---|---|--------------------------------------|---|
| Water Name | PORT SUSAN | | |
| Parameter | Total PCBs | Mediu | Tissue |
| Place on 1998 List? | <input type="checkbox"/> No | Listed in 1996 | <input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None |
| New Segment ID # | 390KRD | Old Segment ID # | WA-PS-0020 |
| Stream Route # | | Water Resource Inventory Area | 6 |
| Township | | Waterbody Grid # | 48122B4I2 |
| Range | | Grid Latitude | 48.185 |
| Section | | Grid Longitude | 122.425 |
| Basis for Consideration of Listing | Crecelius, et al. 1989. , excursions beyond the criterion in edible fish tissue | | |
| Remarks | The National Toxic Rule criteria apply only to the specific isomers of PCBs. There is not a criterion for Total PCBs. It was an inappropriate application of the standards to apply a measurement containing all PCBs combined to a standard set for only a single component. | | |

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|---|---|--------------------------------------|--|
| Water Name | PORT SUSAN | | |
| Parameter | Fecal Coliform | Mediu | Water |
| Place on 1998 List? | <input type="checkbox"/> Yes | Listed in 1996 | <input type="checkbox"/> Yes Action Needed TMDL |
| New Segment ID # | 390KRD | Old Segment ID # | WA-PS-0020 |
| Stream Route # | | Water Resource Inventory Area | 6 |
| Township | | Waterbody Grid # | 48122C4C0 |
| Range | | Grid Latitude | 48.225 |
| Section | | Grid Longitude | 122.4405 |
| Basis for Consideration of Listing | Paulsen et al. 1991. , excursions beyond the criterion (% of samples greater than 43 col/100ml) at 3 locations along Juniper Beach sampled between 9/89 and 5/91. | | |
| Remarks | | | |

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|---|---|--------------------------------------|---|
| Water Name | SARATOGA PASSAGE | | |
| Parameter | Dissolved Oxygen | Mediu | Water |
| Place on 1998 List? | <input type="checkbox"/> Yes | Listed in 1996 | <input type="checkbox"/> No Action Needed None |
| New Segment ID # | 390KRD | Old Segment ID # | WA-06-0010 |
| Stream Route # | | Water Resource Inventory Area | 6 |
| Township | | Waterbody Grid # | 48122C4J8 |
| Range | | Grid Latitude | 48.295 |
| Section | | Grid Longitude | 122.485 |
| Basis for Consideration of Listing | 5 excursions beyond the criterion out of 16 samples (31%) at Ecology ambient monitoring station SKG003 between 9/91 and 9/96. | | |
| Remarks | These excursions beyond the criterion are a natural condition with no direct human caused influence based on the 6/97 judgement of John Glynn (Dept. of Ecology). | | |

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|---|--|--------------------------------------|---|
| Water Name | SARATOGA PASSAGE | | |
| Parameter | Total PCBs | Medium | Tissue |
| Place on 1998 List? | <input type="checkbox"/> No | Listed in 1996 | <input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None |
| New Segment ID # | 390KRD | Old Segment ID # | WA-06-0010 |
| Stream Route # | | Water Resource Inventory Area | 6 |
| Township | | Waterbody Grid # | 48122C6H4 |
| Range | | Grid Latitude | 48.275 |
| Section | | Grid Longitude | 122.645 |
| Basis for Consideration of Listing | Crecelius, et al. 1989. , excursions beyond the National Toxic Rule criterion in Starry Flounder muscle tissue sampled in Oak Harbor. | | |
| Remarks | The segment was proposed for ;listing in error. The cited reference measured Total PCBs, not the individual isomers of PCBs. The National Toxic Rule criteria apply only to the specific isomers of PCBs. There is not a criterion for Total PCBs. It was an inappropriate application of the standards to apply a measurement containing all PCBs combined to a standard set for only a single component. | | |

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|---|---|--------------------------------------|--|
| Water Name | SARATOGA PASSAGE | | |
| Parameter | pH | Medium | Water |
| Place on 1998 List? | <input checked="" type="checkbox"/> Yes | Listed in 1996 | <input checked="" type="checkbox"/> Yes Action Needed <input type="checkbox"/> None |
| New Segment ID # | 390KRD | Old Segment ID # | WA-06-0010 |
| Stream Route # | | Water Resource Inventory Area | 6 |
| Township | | Waterbody Grid # | 48122B4A9 |
| Range | | Grid Latitude | 48.105 |
| Section | | Grid Longitude | 122.495 |
| Basis for Consideration of Listing | 5 excursions beyond the criterion out of 45 samples (11%) at Ecology ambient monitoring station SAR003 between 9/91 and 9/96. | | |
| Remarks | In the 1996 list decision matrix, Jan Newton (Dept. of Ecology - 4/95 judgment) indicated that direct human caused sources are likely having an influence on the observed conditions. Further review of the data by John Glynn (Dept. of Ecology - 6/97 judgement) determined that there are no significant human-caused sources that could affect pH in the well buffered marine system. Therefore, these excursions are likely represent a natural condition and should not be used as a basis for listing. | | |

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|---|---|--------------------------------------|--|
| Water Name | SARATOGA PASSAGE | | |
| Parameter | Dissolved Oxygen | Mediu | Water |
| Place on 1998 List? | <input type="checkbox"/> Yes | Listed in 1996 | <input type="checkbox"/> No Action Needed <input type="text"/> None |
| New Segment ID # | <input type="text"/> 390KRD | Old Segment ID # | <input type="text"/> WA-06-0010 |
| Stream Route # | <input type="text"/> | Water Resource Inventory Area | <input type="text"/> 6 |
| Township | <input type="text"/> | Waterbody Grid # | <input type="text"/> 48122B4A9 |
| Range | <input type="text"/> | Grid Latitude | <input type="text"/> 48.105 |
| Section | <input type="text"/> | Grid Longitude | <input type="text"/> 122.495 |
| Basis for Consideration of Listing | 13 excursions beyond the criterion out of 45 samples (29%) at Ecology ambient monitoring station SAR003 between 9/91 and 9/96.; | | |
| Remarks | These excursions beyond the criterion are a natural condition with no direct human caused influence based on the 6/97 judgement of John Glynn (Dept. of Ecology). | | |

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|---|--|--------------------------------------|--|
| Water Name | SKAGIT BAY AND SIMILK BAY | | |
| Parameter | Dissolved Oxygen | Mediu | Water |
| Place on 1998 List? | <input type="checkbox"/> Yes | Listed in 1996 | <input type="checkbox"/> No Action Needed <input type="text"/> TMDL |
| New Segment ID # | <input type="text"/> 390KRD | Old Segment ID # | <input type="text"/> WA-PS-0010 |
| Stream Route # | <input type="text"/> | Water Resource Inventory Area | <input type="text"/> 6 |
| Township | <input type="text"/> | Waterbody Grid # | <input type="text"/> 48122C4J8 |
| Range | <input type="text"/> | Grid Latitude | <input type="text"/> 48.295 |
| Section | <input type="text"/> | Grid Longitude | <input type="text"/> 122.485 |
| Basis for Consideration of Listing | 5 excursions beyond the criterion out of 13 samples (31%) at Ecology ambient monitoring station SKG003 between 9/91 and 9/96.; | | |
| Remarks | <input type="text"/> | | |

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|---|---|--------------------------------------|---|
| Water Name | SKAGIT BAY AND SIMILK BAY | | |
| Parameter | Total PCBs | Mediu | Tissue |
| Place on 1998 List? | <input type="checkbox"/> No | Listed in 1996 | <input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None |
| New Segment ID # | 390KRD | Old Segment ID # | WA-PS-0010 |
| Stream Route # | | Water Resource Inventory Area | 6 |
| Township | | Waterbody Grid # | 48122C4J7 |
| Range | | Grid Latitude | 48.295 |
| Section | | Grid Longitude | 122.475 |
| Basis for Consideration of Listing | Crecelius, et al. 1989. , excursions beyond the criterion in edible fish tissue | | |
| Remarks | The National Toxic Rule criteria apply only to the specific isomers of PCBs. There is not a criterion for Total PCBs. It was an inappropriate application of the standards to apply a measurement containing all PCBs combined to a standard set for only a single component. | | |

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|---|---|--------------------------------------|---|
| Water Name | SKAGIT BAY AND SIMILK BAY | | |
| Parameter | Fecal Coliform | Mediu | Water |
| Place on 1998 List? | <input checked="" type="checkbox"/> Yes | Listed in 1996 | <input checked="" type="checkbox"/> Yes Action Needed TMDL |
| New Segment ID # | 390KRD | Old Segment ID # | WA-PS-0010 |
| Stream Route # | | Water Resource Inventory Area | 6 |
| Township | | Waterbody Grid # | 48122C4F1 |
| Range | | Grid Latitude | 48.255 |
| Section | | Grid Longitude | 122.415 |
| Basis for Consideration of Listing | Department of Health Prohibited Commercial Shellfish Area South Skagit Bay based partially on data from station 1 that exceed the criterion (from the Annual Growing Area Review ending December 1996). | | |
| Remarks | | | |